

Appl. No. 09/937,874
Reply to Office Action of November 16, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (currently amended): A method for automatically adjusting power level of a terminal in a radio communications system, the method comprising:
receiving a transmission burst from ~~the~~ a first terminal;
determining in a second terminal a power level measurement of the transmission burst based on a signal-to-noise ratio of the transmission burst; and
transmitting from the second terminal a message specifying the determined power level measurement to the first terminal.

Claim 2. (currently amended): The method according to claim 1, wherein the first terminal determines a power margin based on the power level measurement and selectively adjusts transmission power based upon the power margin.

Claim 3. (previously presented): The method according to claim 1, wherein the transmission burst contains information on signal quality.

Claim 4. (canceled)

Claim 5. (previously presented): The method according to claim 1, wherein the radio communications system is a two-way satellite communication system having a star topology.

Claim 6. (previously presented): The method according to claim 1, wherein the determining step and the transmitting step are performed on a real-time basis.

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Claim 7. (previously presented): A terminal apparatus for providing automatic power level adjustment in a radio communications system, comprising:

a transceiver configured to receive a transmission burst from a terminal; and

logic configured to determine a power level measurement of the transmission burst based on a signal-to-noise ratio of the transmission burst and to generate a message specifying the determined power level measurement to the terminal.

Claim 8. (previously presented): The apparatus according to claim 7, wherein the terminal determines a power margin based on the power level measurement and selectively adjusts transmission power based upon the power margin.

Claim 9. (previously presented): The apparatus according to claim 7, wherein the transmission burst contains information on signal quality.

Claim 10. (canceled)

Claim 11. (previously presented): The apparatus according to claim 7, wherein the radio communications system is a two-way satellite communication system having a star topology.

Claim 12. (previously presented): The apparatus according to claim 7, wherein the logic determines the power level measurement of the transmission burst on a real-time basis.

Claim 13. (previously presented): A radio communications system for providing closed-loop power control, the system comprising:

a first terminal configured to transmit a transmission burst; and

a second terminal configured to receive the transmission burst from the first terminal and to determine a power level measurement of the transmission burst based on a signal-to-noise ratio of the transmission burst, wherein the second terminal generates a message that specifies the determined power level measurement, the message being transmitted to the first terminal.

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Claim 14. (previously presented): The system according to claim 13, wherein the first terminal determines a power margin based on the power level measurement and selectively adjusts transmission power based upon the power margin.

Claim 15. (previously presented): The system according to claim 13, wherein the transmission burst contains information on signal quality.

Claim 16. (canceled)

Claim 17. (previously presented): The system according to claim 13, wherein the first terminal communicates with the second terminal over a satellite that supports two-way communications having a star topology.

Claim 18. (previously presented): The system according to claim 13, wherein the determination of the power level measurement and transmission of the message are performed on a real-time basis.

Claim 19. (previously presented): A terminal apparatus for providing automatic power level adjustment in a radio communications system, comprising:

means for receiving a transmission burst from the terminal;

means for determining a power level measurement of the transmission burst, based on a signal-to-noise ratio of the transmission burst; and

means for transmitting a message specifying the determined power level measurement to the terminal.

Claim 20. (previously presented): The apparatus according to claim 19, further comprising: means for determining a power margin based on the power level measurement and selectively adjusting transmission power based upon the power margin.

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Claim 21. (previously presented): The apparatus according to claim 19, wherein the transmission burst contains information on signal quality.

Claim 22. (canceled)

Claim 23. (previously presented): The apparatus according to claim 19, wherein the radio communications system is a two-way satellite communication system having a star topology.

Claim 24. (previously presented): The apparatus according to claim 19, wherein the determination of the power level measurement and transmission of the message are performed on a real-time basis.

Claim 25. (currently amended): A computer-readable medium carrying one or more sequences of one or more instructions for automatically adjusting power level of a terminal in a radio communications system, the one or more sequences of one or more instructions including instructions which, when executed by one or more processors, cause the one or more processors to perform the steps of:

determining in a first terminal a power level measurement of a transmission burst received from the a second terminal based on a signal-to-noise ratio of the transmission burst; and

generating in the first terminal a message specifying the determined power level measurement, wherein the message is transmitted from the first terminal to the second terminal.

Claim 26. (currently amended): A The computer-readable medium according to claim 25, wherein the second terminal determines a power margin based on the power level measurement and selectively adjusts transmission power based upon the power margin.

Claim 27. (currently amended): A The computer-readable medium according to claim 25, wherein the transmission burst contains information on signal quality.

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Claim 28. (canceled)

Claim 29. (currently amended): A The computer-readable medium according to claim 25, wherein the radio communications system is a two-way satellite communication system having a star topology.

Claim 30. (currently amended): A The computer-readable medium according to claim 25, wherein the determination of the power level measurement and transmission of the message are performed on a real-time basis.